

Abstract Of the Disclosure

An automatic transmission that includes a housing, gear transmission unit, transmission throttle valve, and an electromagnetic actuator for the transmission throttle valve. The transmission housing has a support portion formed on an outside surface of the housing, and a coupling portion is provided proximate the support portion. The gear transmission unit is disposed in the housing and has at least one hydraulic actuator controllable to provide a plurality of output speeds from the gear transmission unit. The transmission throttle valve is operable to regulate the hydraulic pressure provided to the hydraulic actuators. The transmission throttle valve includes a transmission throttle valve shaft proximate the coupling portion. The electromagnetic actuator is coupled to the support portion of the housing. The electromagnetic actuator is coupled to the transmission throttle valve shaft to regulate the hydraulic pressure of the transmission throttle valve. Method of actuating an automatic transmission throttle valve is also shown and described.